

FIG. 1A

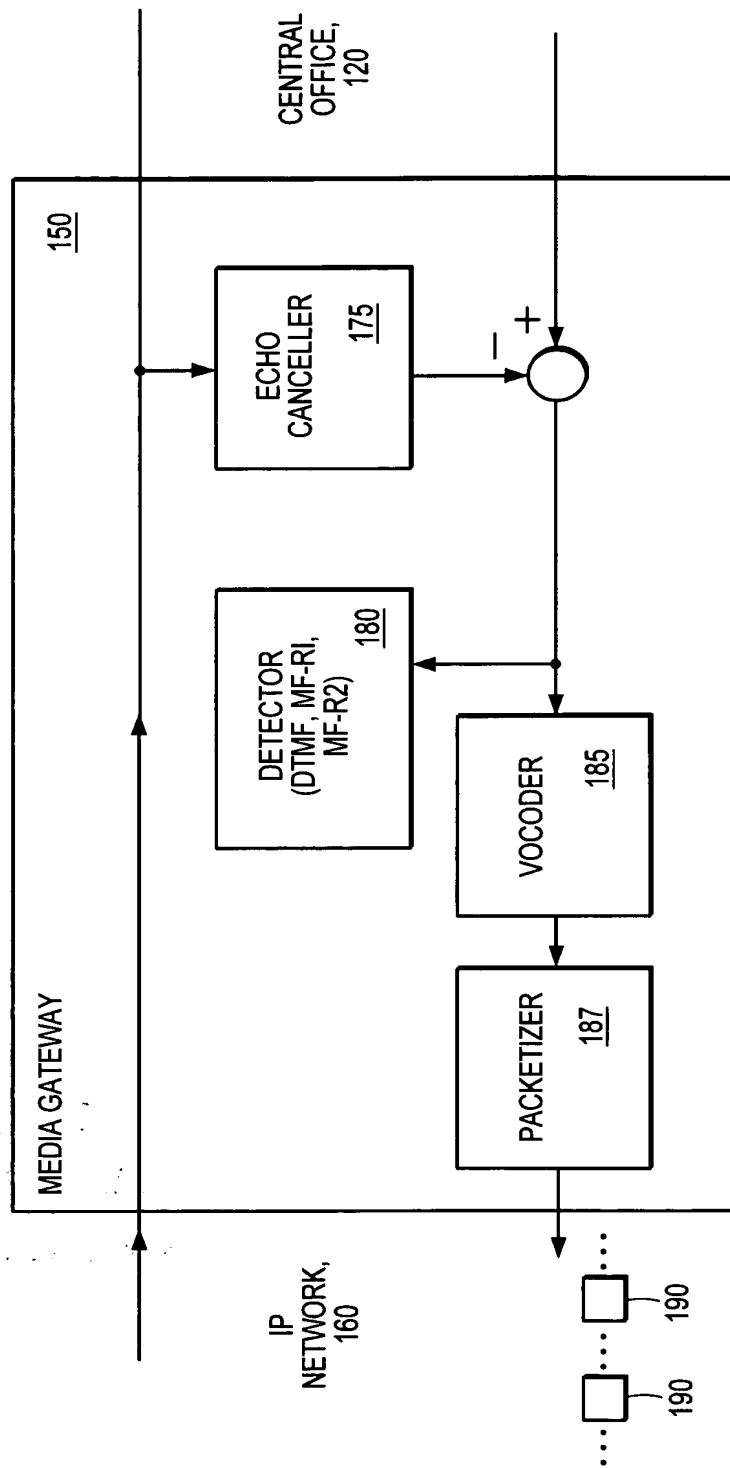
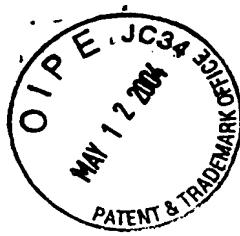


FIG. 1B

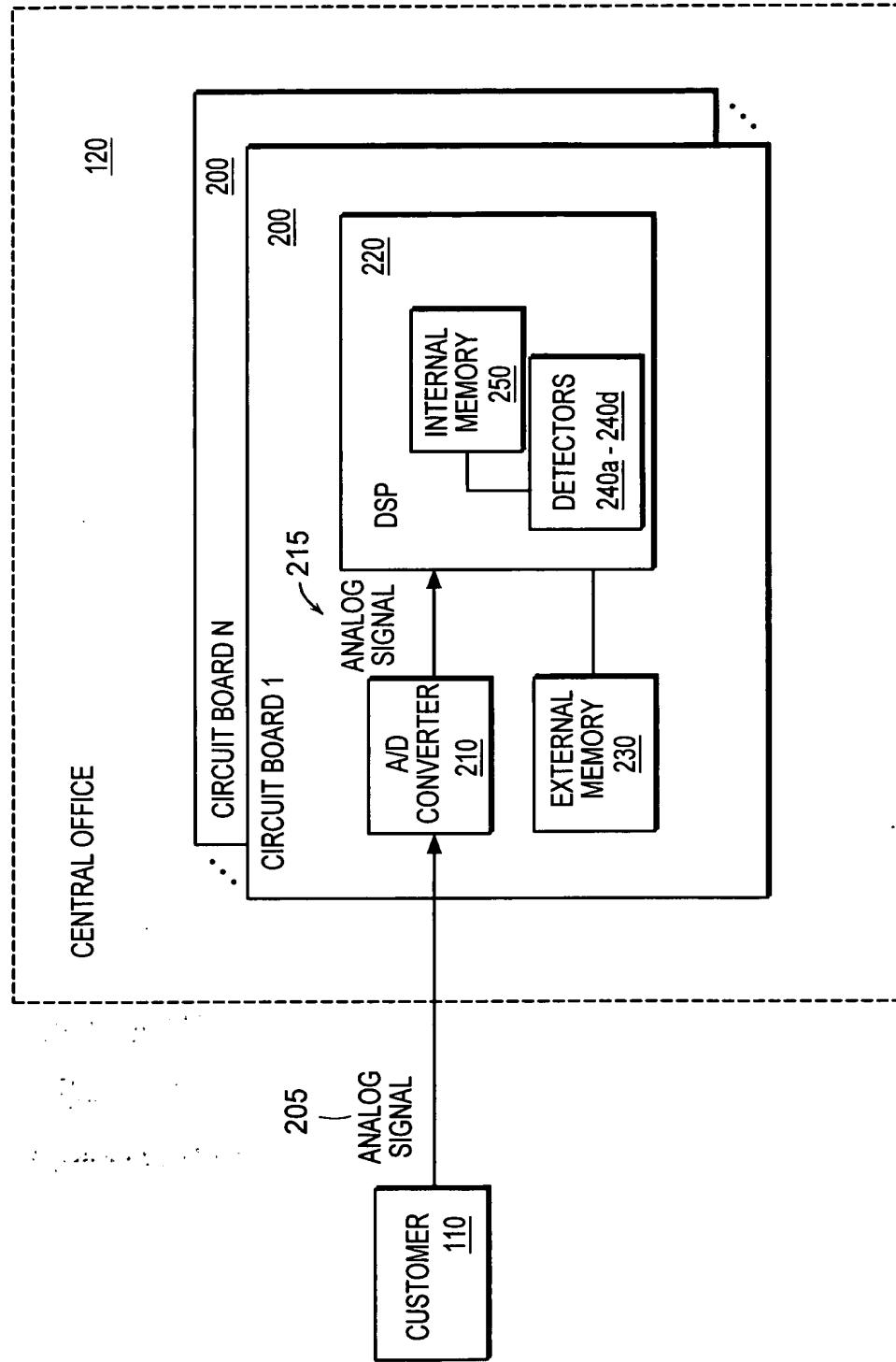
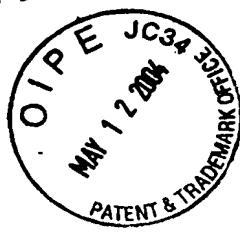
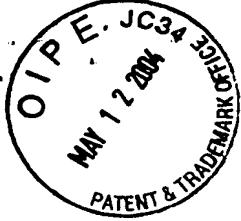
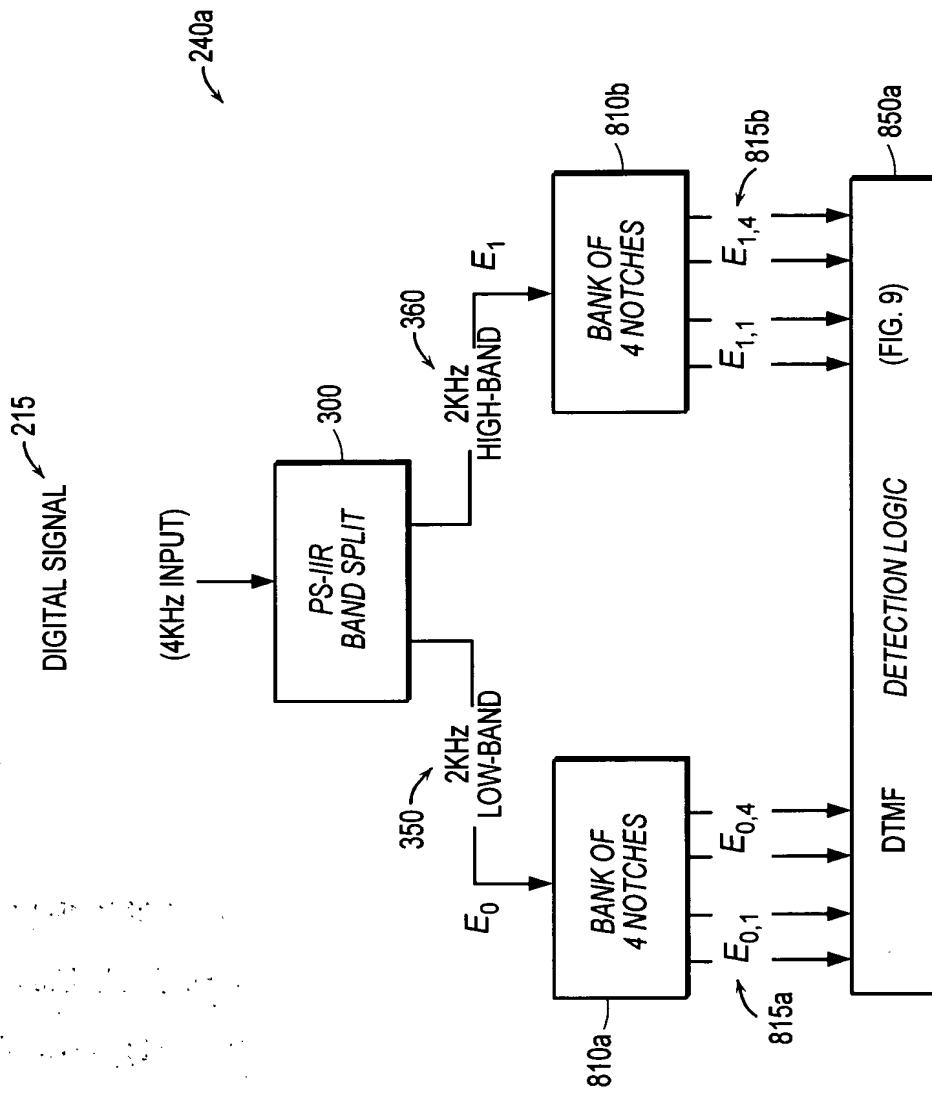


FIG. 2



App. No.: 09/696,730  
Title: Method and Apparatus for Performing .  
Inventors: Oguz Tanrikulu *et al.*  
Replacement Sheet

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DTMF DETECTOR BLOCK DIAGRAM

FIG. 3

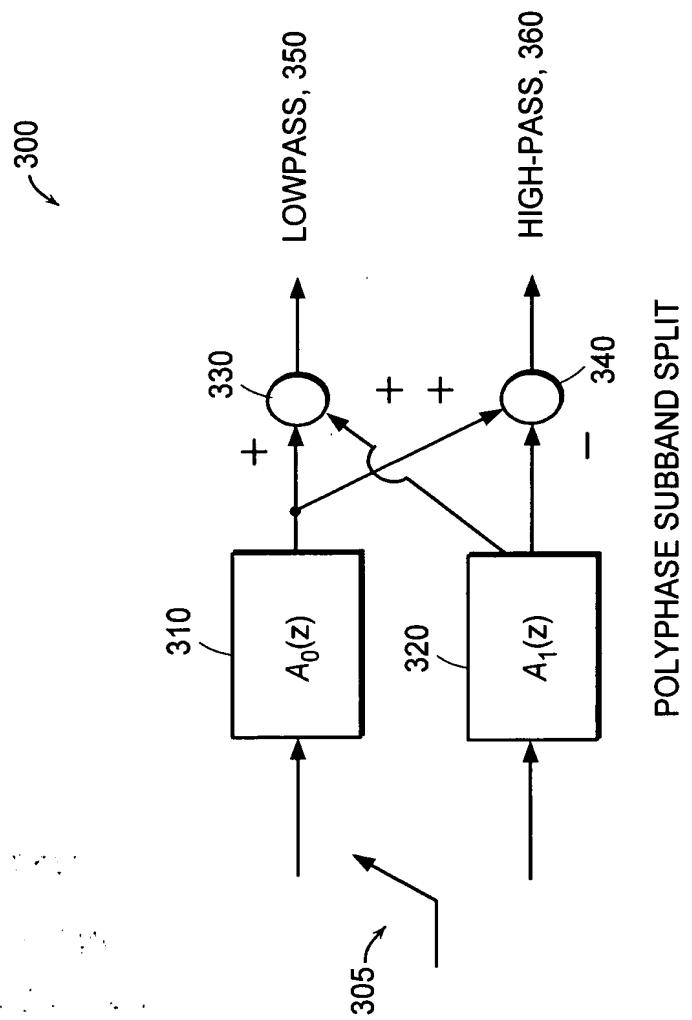
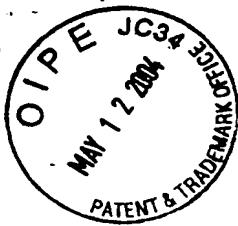
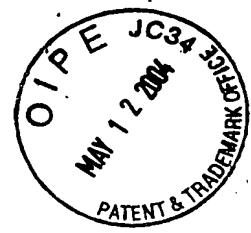
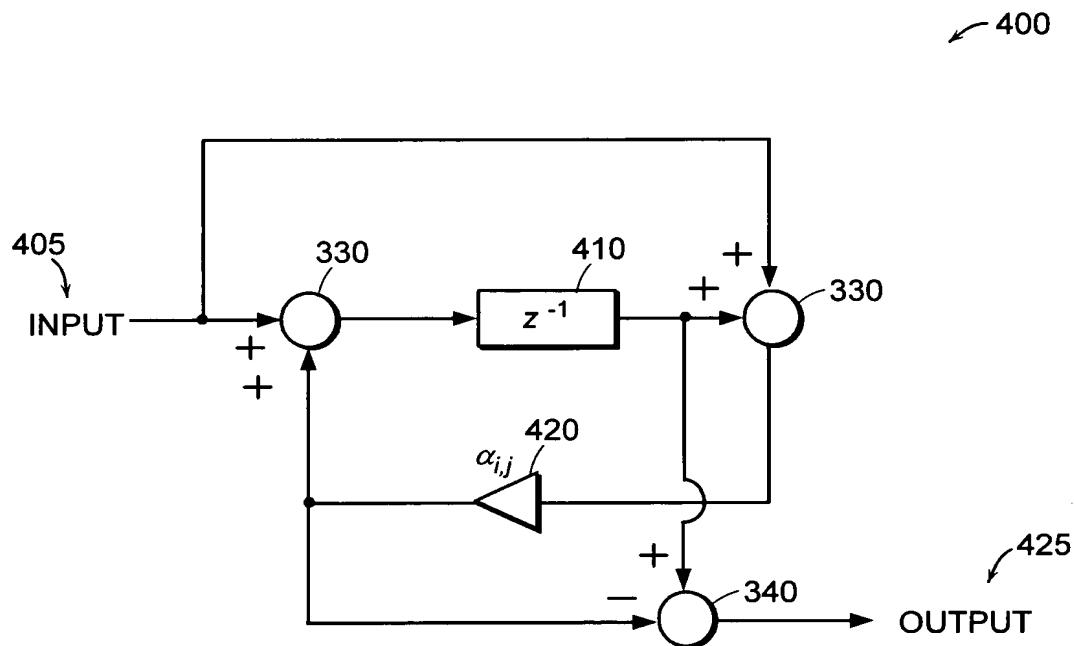


FIG. 4

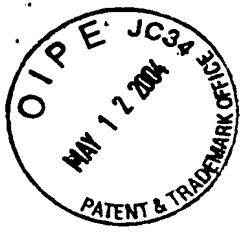


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COMPACT IMPLEMENTATION OF A FIRST-ORDER ALL-PASS SECTION

FIG. 5



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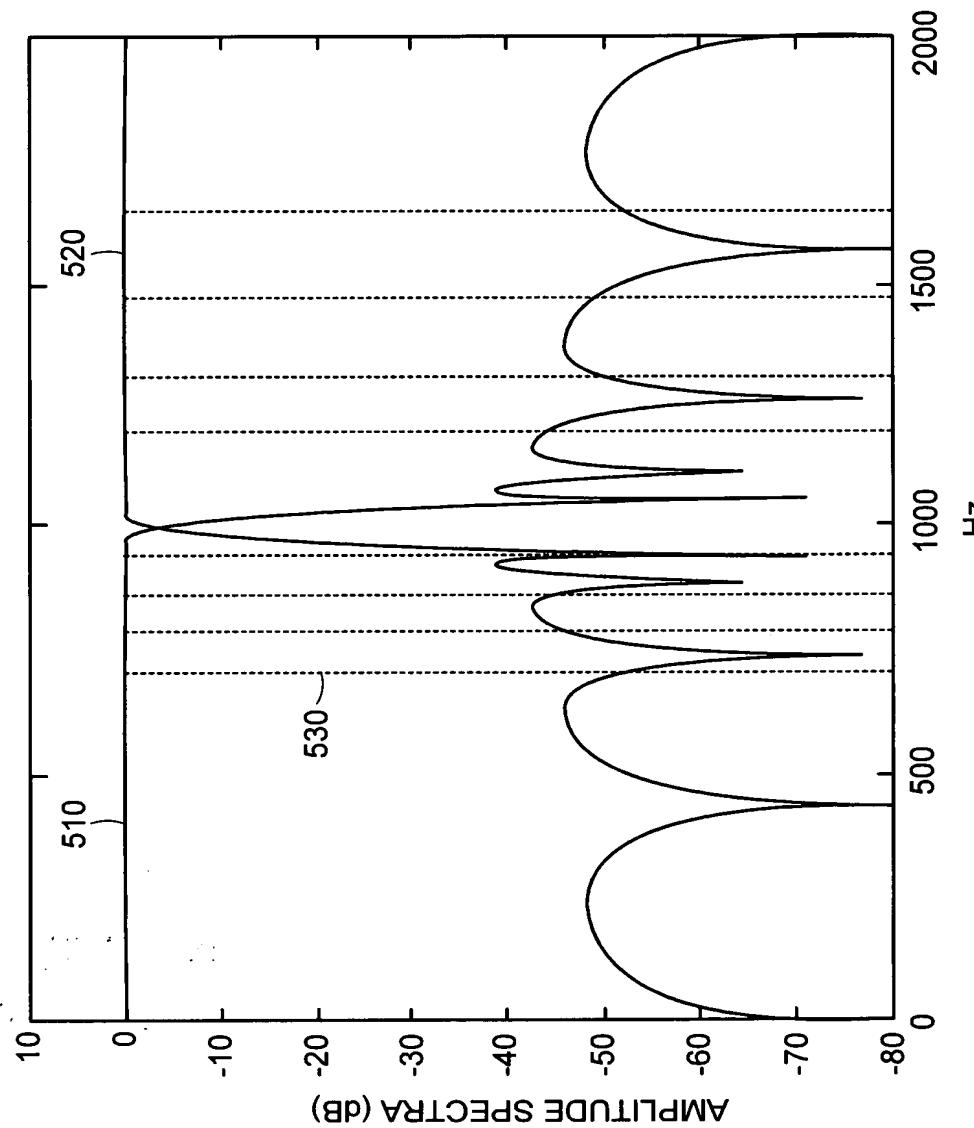


FIG. 6  
BAND-SPLIT FILTERS AND DTMF

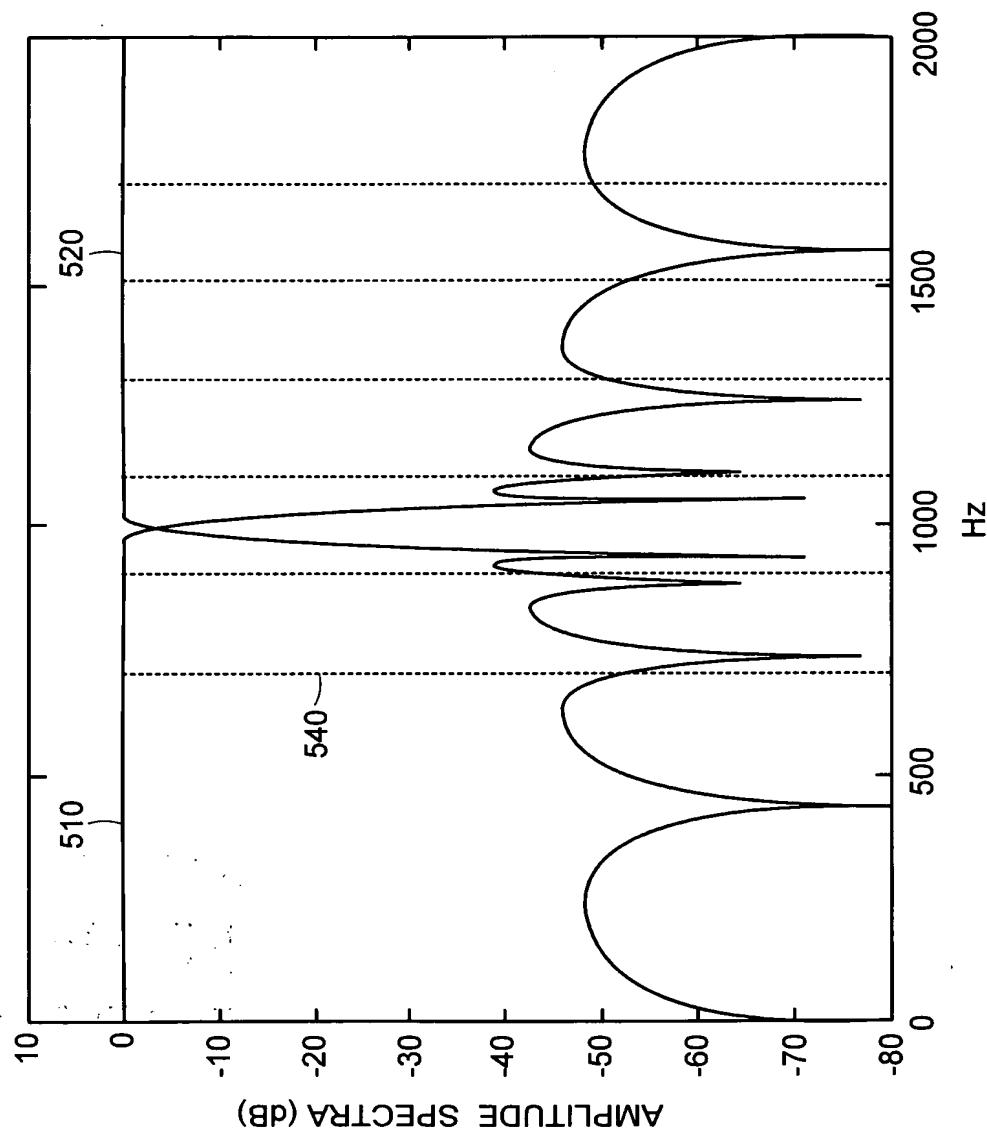
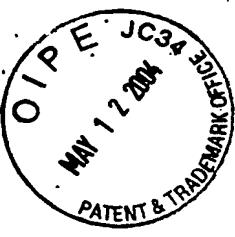
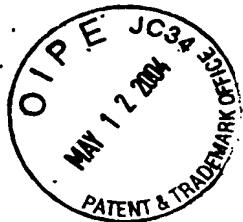
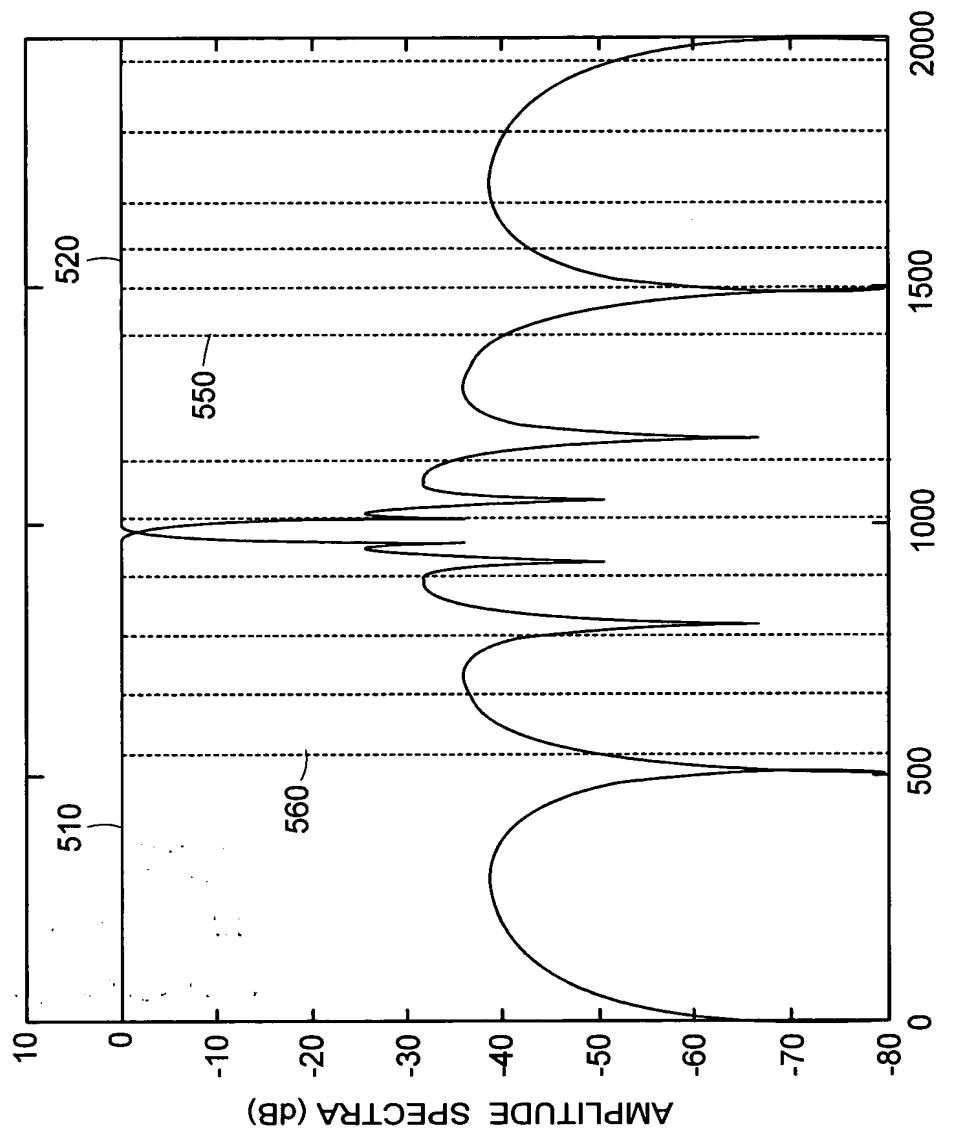


FIG. 7  
BAND-SPLIT FILTERS AND MF-R1



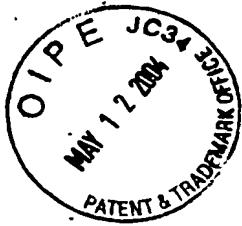
Appl'n No.: 09/696,730  
Title: Method and Apparatus for Performing...  
Inventors: Oguz Tanrikulu *et al.*  
Replacement Sheet

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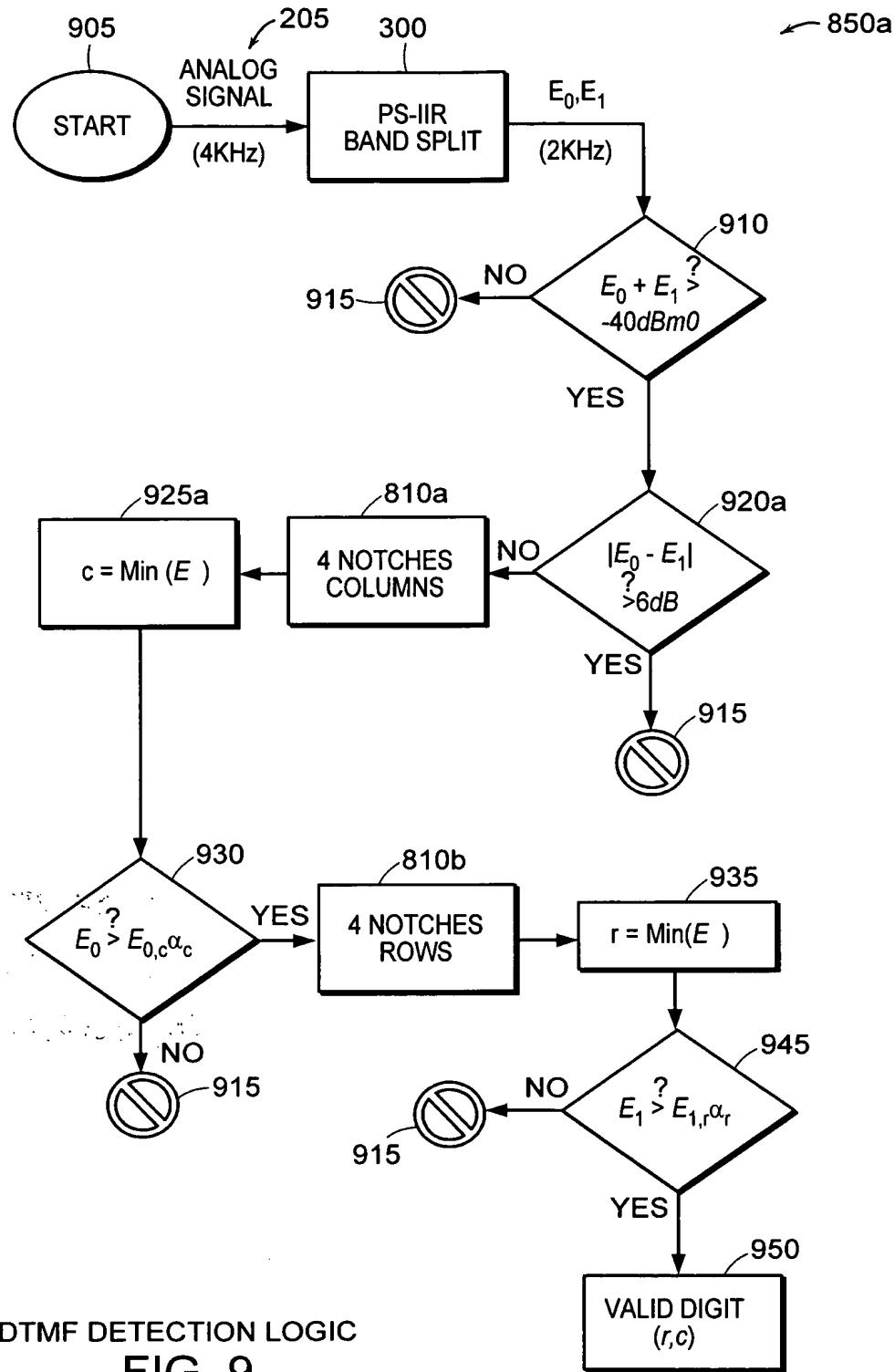


BAND-SPLIT FILTERS AND MF-R2

FIG. 8

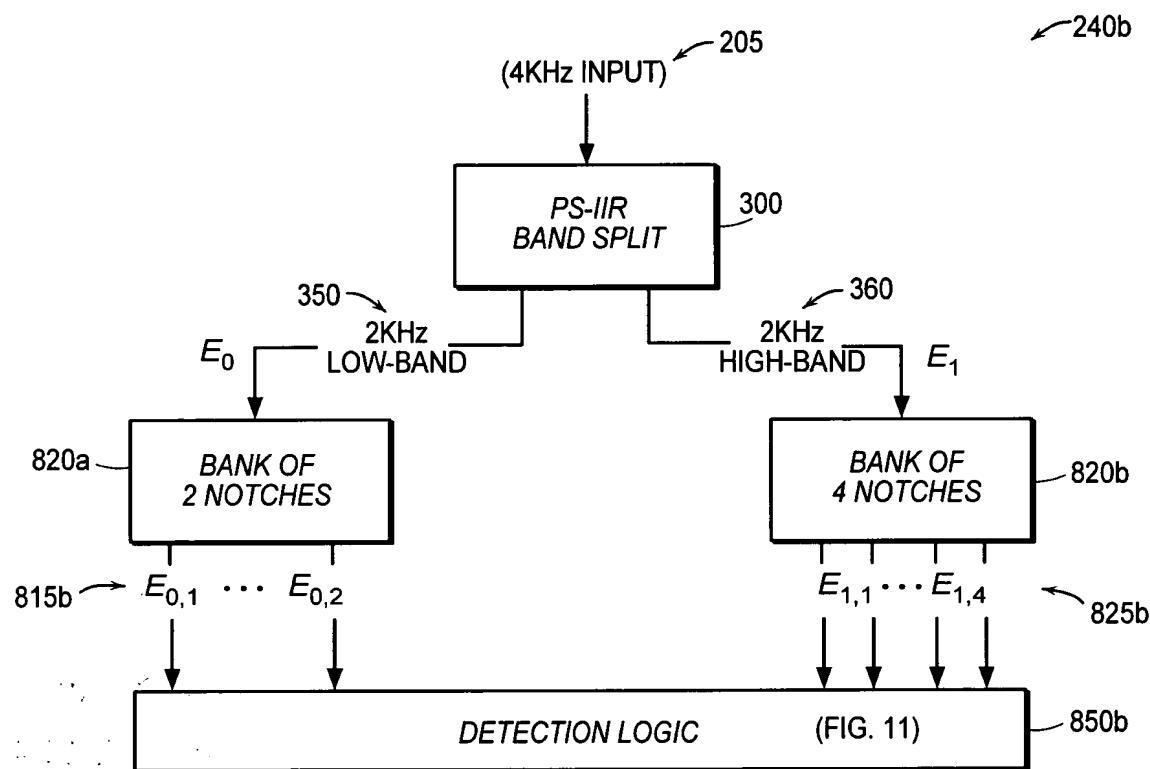
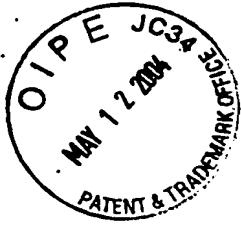


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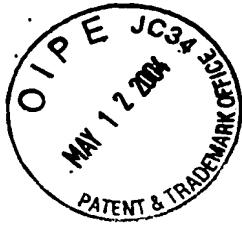
DTMF DETECTION LOGIC

FIG. 9



MF-R1 DETECTOR BLOCK DIAGRAM

FIG. 10



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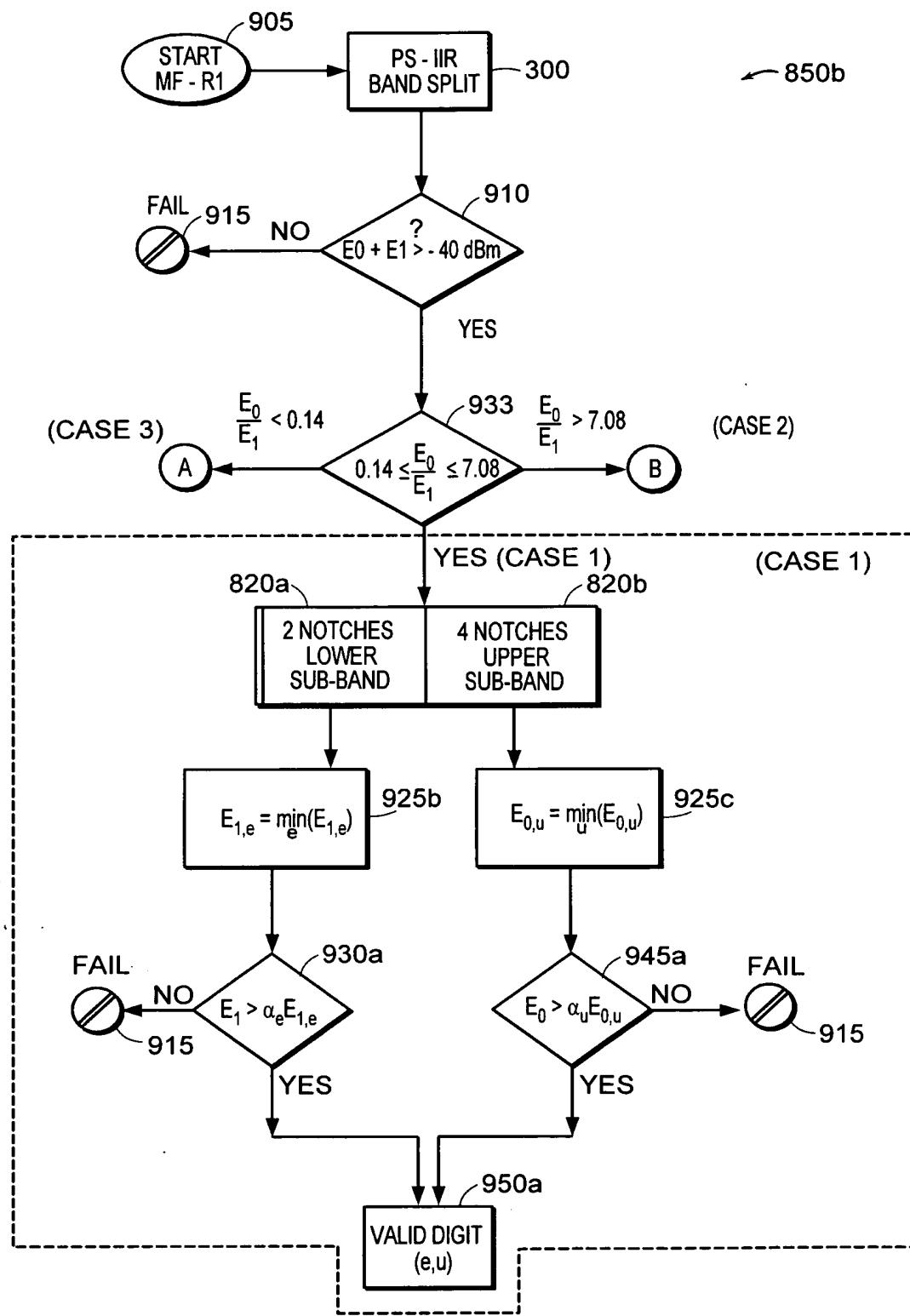
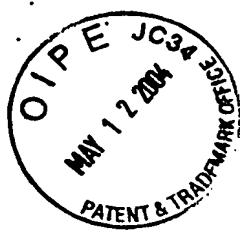


FIG. 11A



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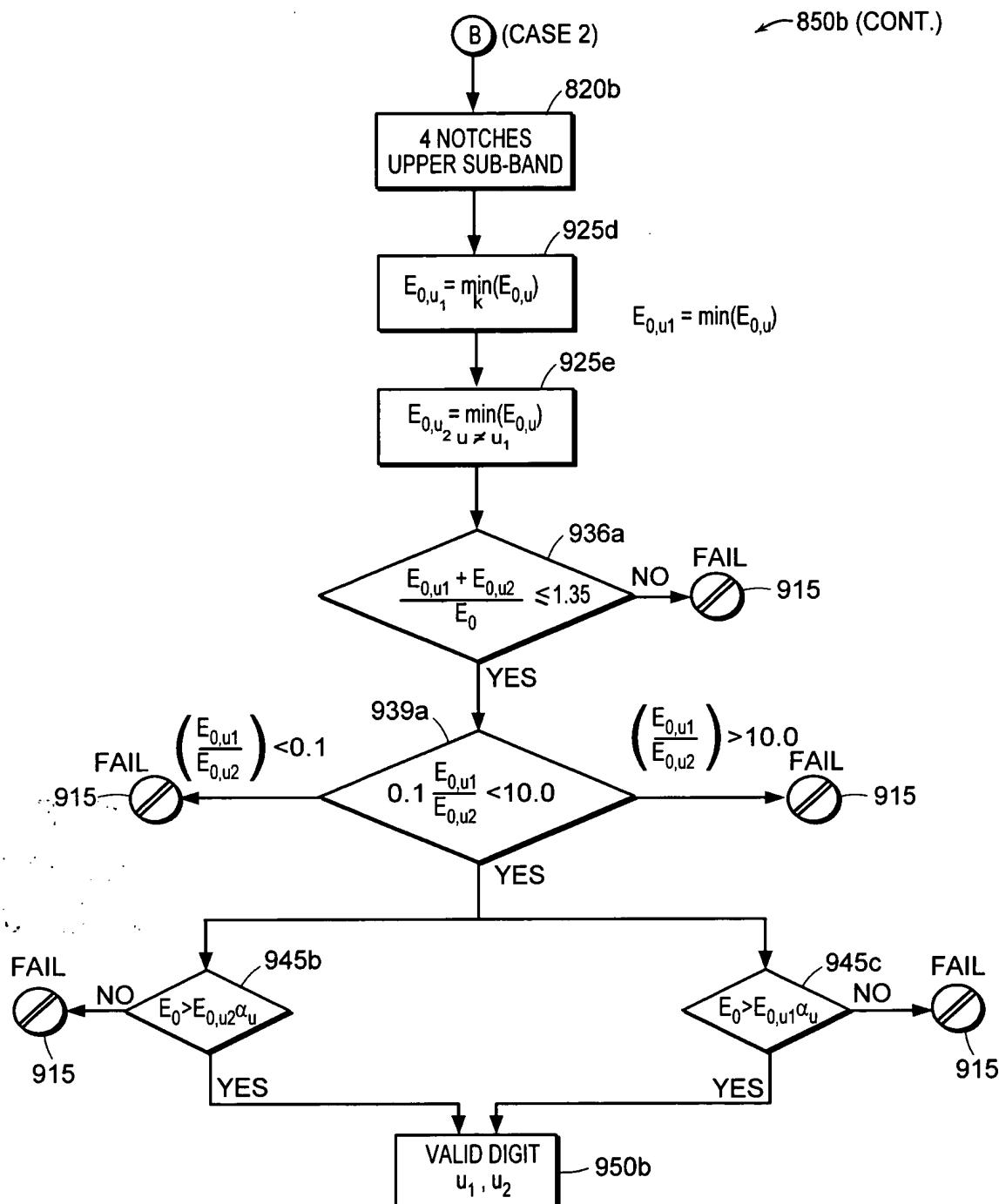
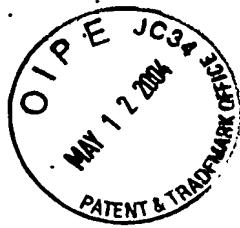


FIG. 11B



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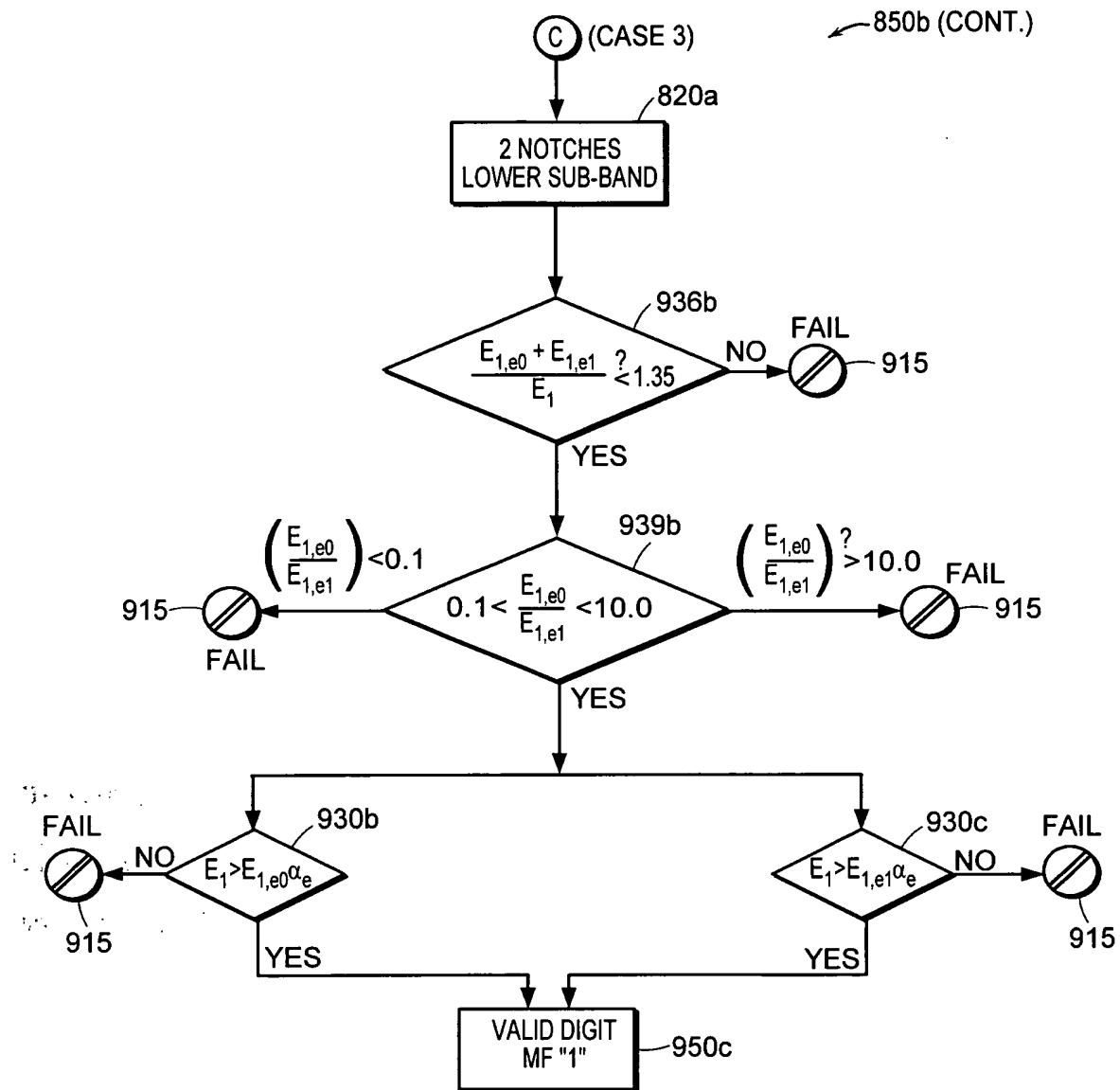
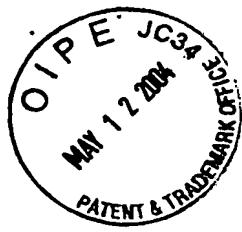
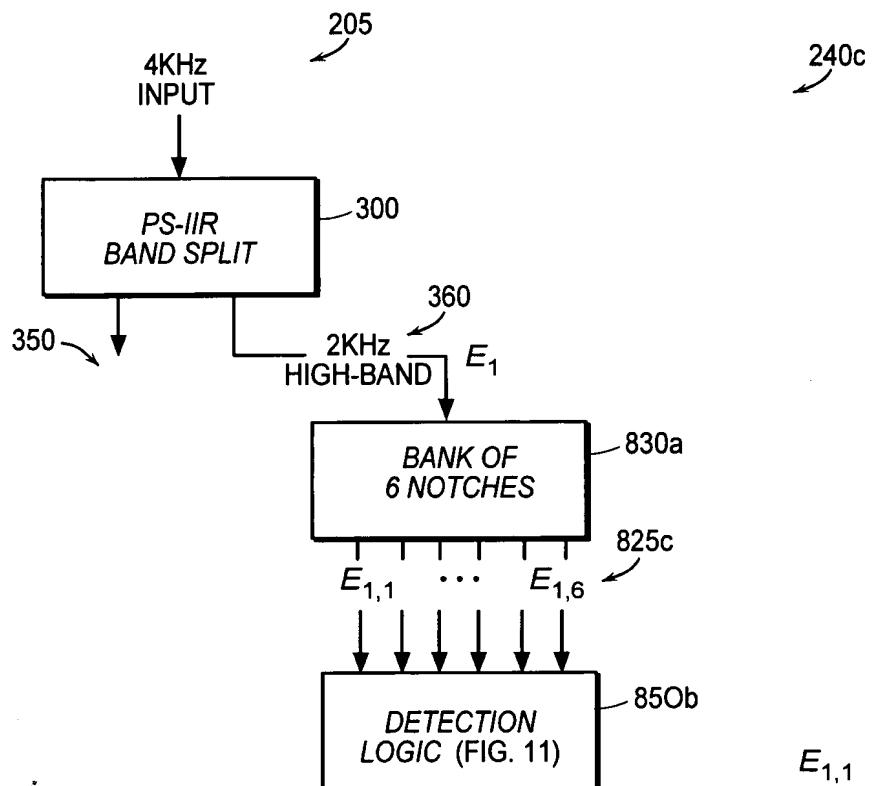


FIG. 11C

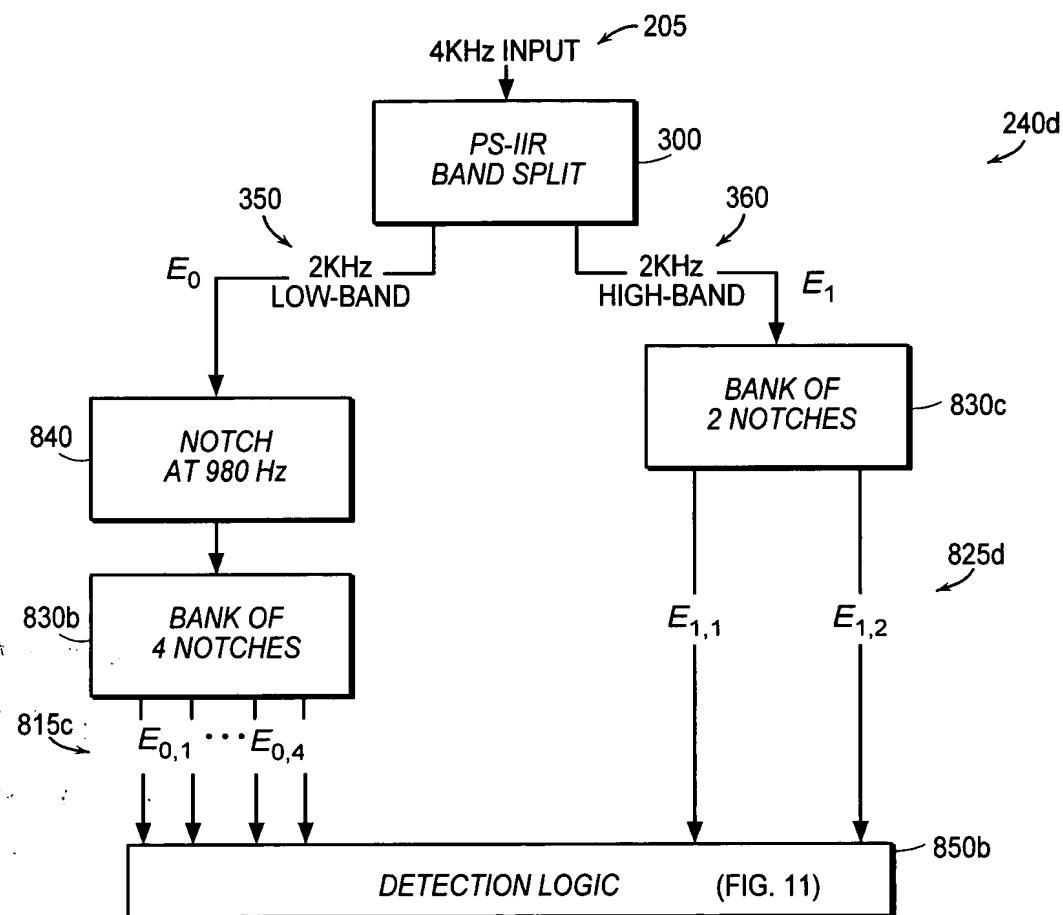


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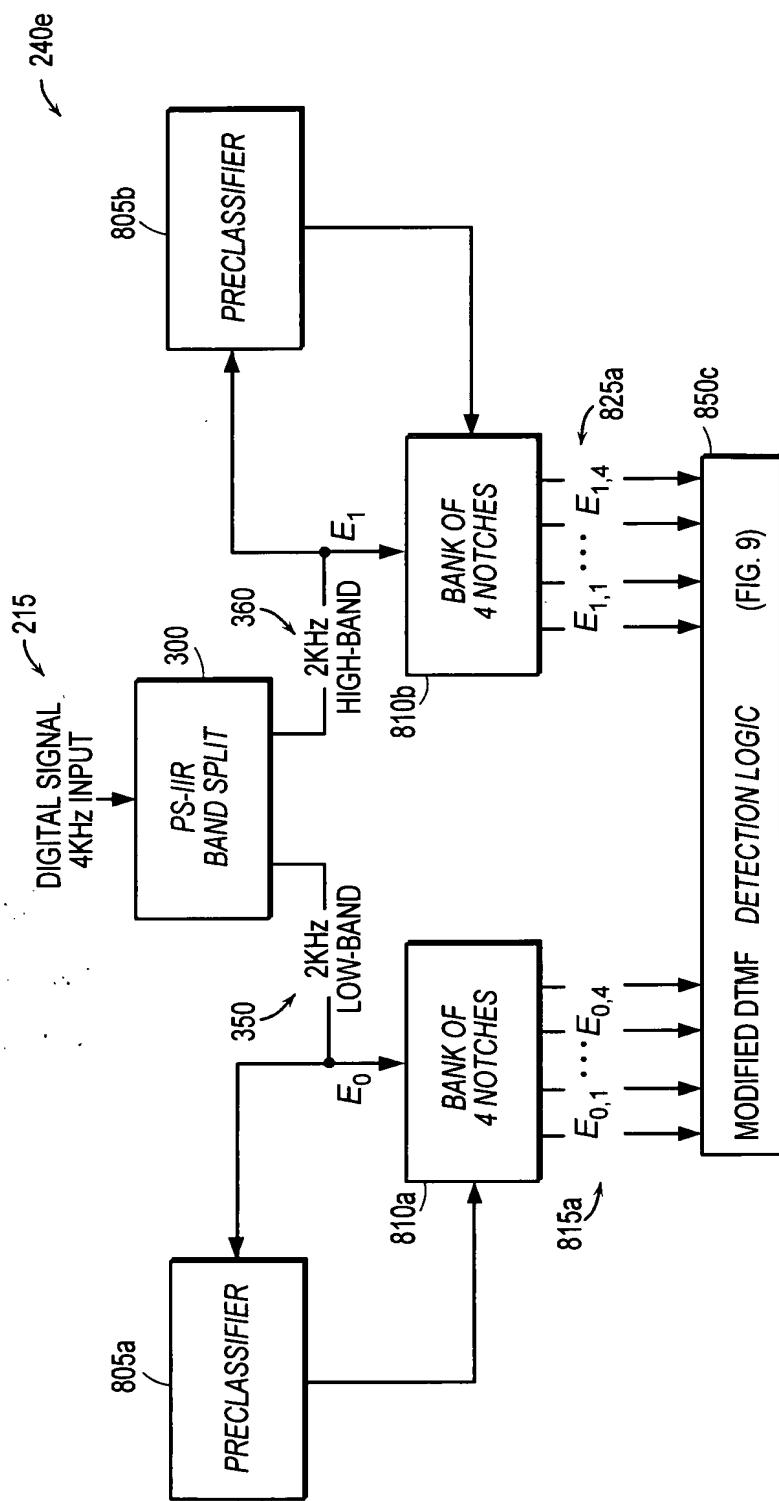
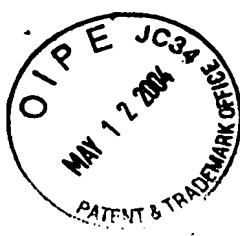
MF-R2 FORWARD DETECTOR BLOCK DIAGRAM

FIG. 12



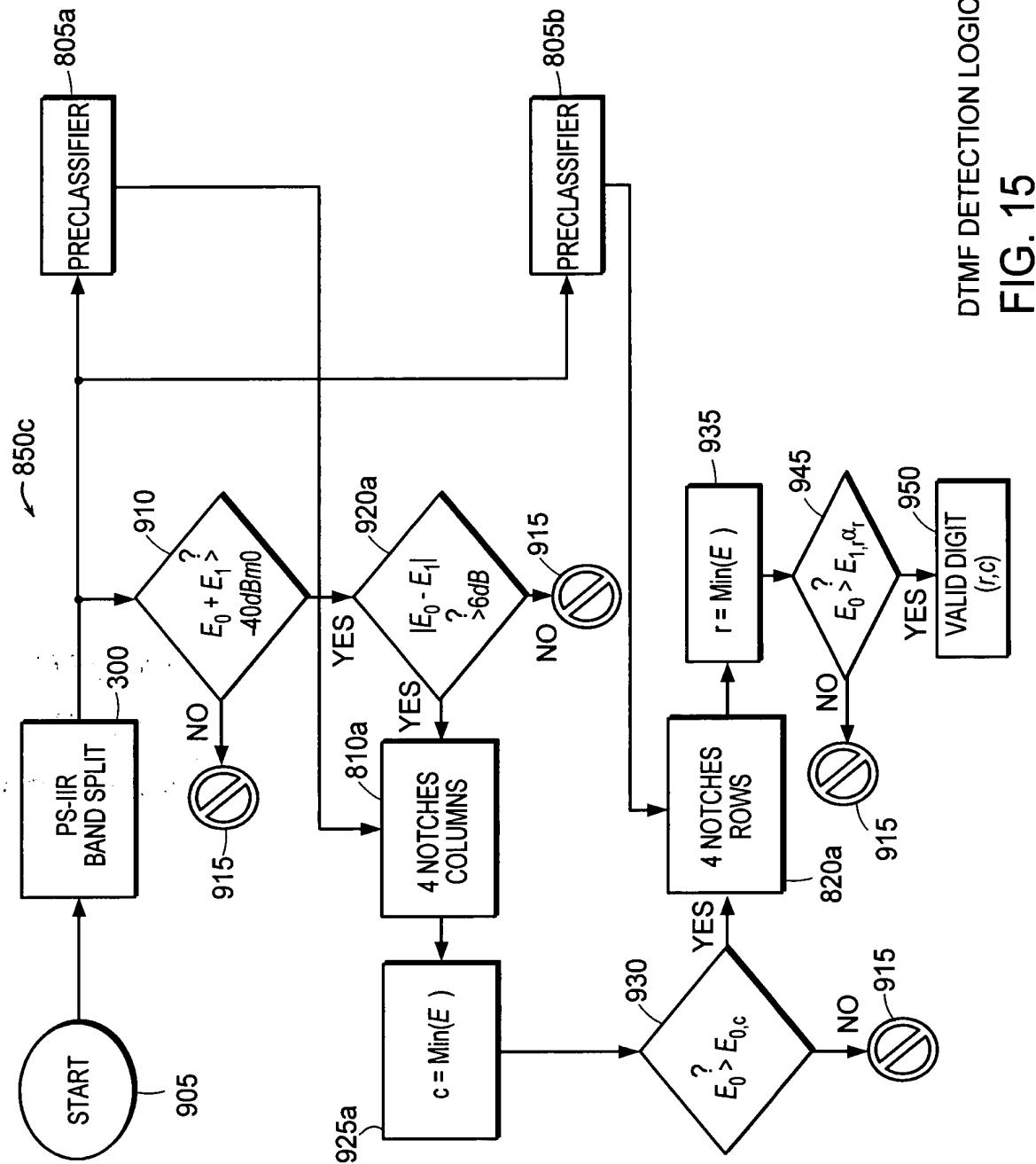
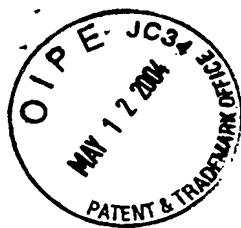
MF-R2 BACKWARD DETECTOR  
BLOCK DIAGRAM.

FIG. 13



DTMF DETECTOR BLOCK DIAGRAM (FIG. 9)

FIG. 14



DTMF DETECTION LOGIC  
**FIG. 15**